

WHAT IS CLAIMED IS:

1. An electrical cable used to form an internal circuit in an electrical connection box to be mounted on an automobile comprising:

a conductor made of an aluminum-based metal;

a heat-resistant resin, such as PE (polyethylene) or PBT (polybutylene terephthalate) forming a cover for said conductor; and

said conductor is a single core wire or a twisted wire including a plurality of element wires.

2. A connection structure between an electrical cable and a terminal comprising:

a conductor made of an aluminum-based metal arranged to form an internal circuit in an electrical connection box to be mounted on an automobile;

said conductor is pushed into an insulation displacement slot in an insulation displacement terminal made of an aluminum-based metal or a copper-based metal; and

a welding material made of an iron-based metal welds a contact portion between said conductor and a blade section on an inner periphery of said insulation displacement slot.

3. A connection structure between an electrical cable and a terminal comprising:

a conductor made of an aluminum-based metal arranged to form an internal circuit in an electrical connection box to be mounted on an automobile;

said conductor is pushed into an insulation displacement slot in an insulation displacement terminal made of an aluminum-based metal or a copper-based metal; and

a conductive adhesive is filled in and applied on a contact portion between said conductor and a blade section on an inner periphery of said insulation displacement slot.